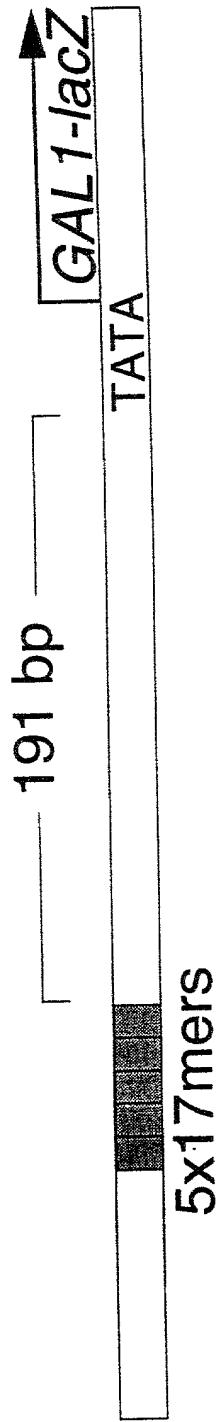


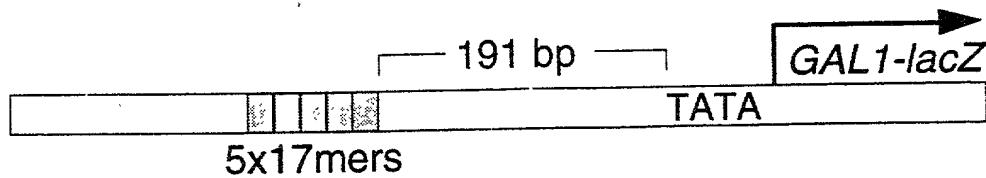
Transcriptional Activation Depends on Peptide Sequence



Construct	β -gal activity
GAL4(1-881)	2300
GAL4(1-100)	2
GAL4(1-100)+ + <u>L I C Y P L P T</u> + <u>T P L Y L T C P</u>	4400 100 17

Figure 1

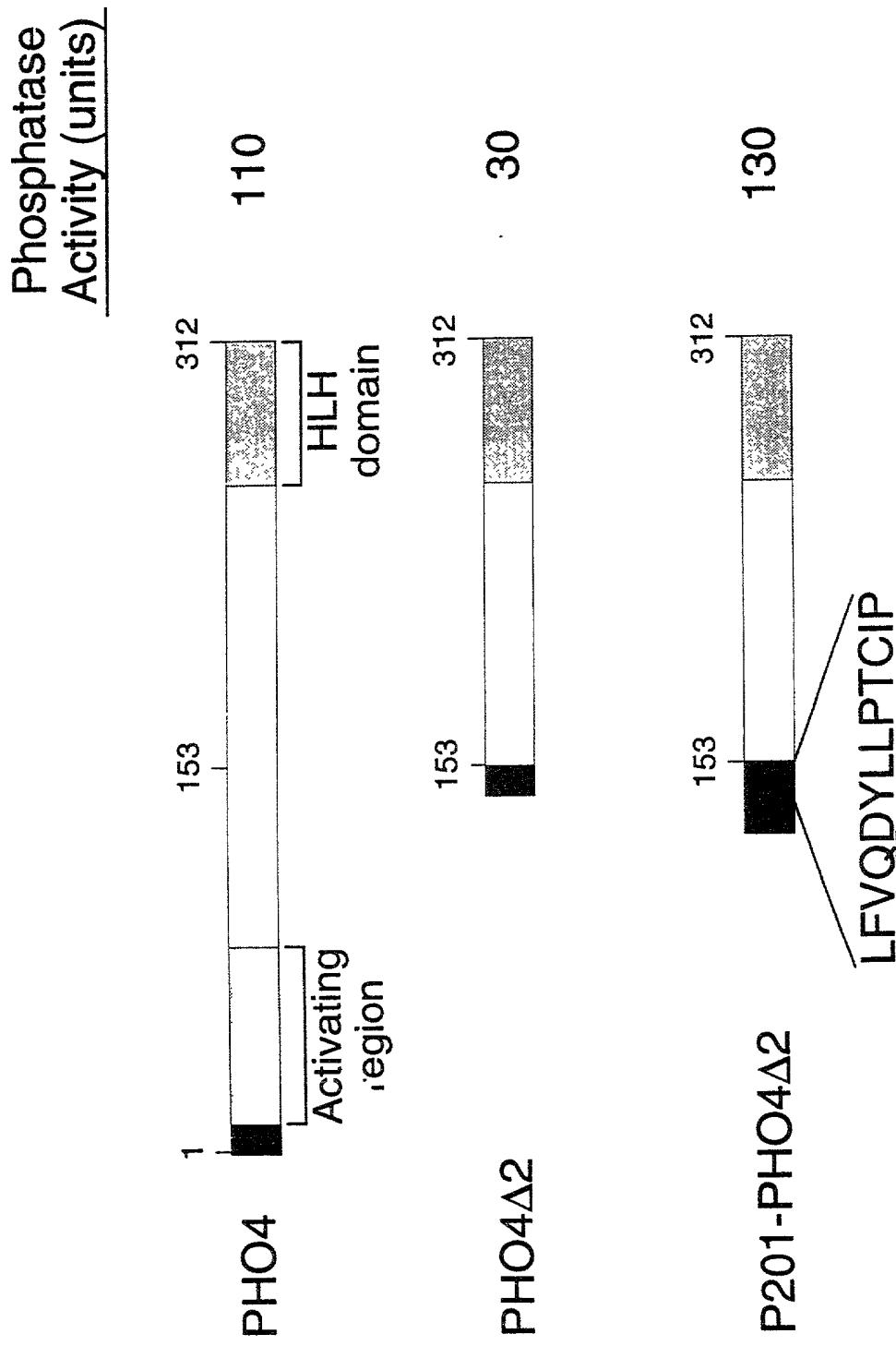
Residues of the GAL4 DNA Binding Domain Contribute to Peptide Activation



Construct		β -gal. activity
GAL4(1-881)		2800
GAL4(1-	91 ALLTGLFVQD 100)	2
GAL4(1-	100 8mer + YLLPTCIP	4400
	ALLTGLFVQ□ + YLLPTCIP	120
	ALLTGLFV□D + YLLPTCIP	450
	ALLTGLF□QD + YLLPTCIP	3
	ALLTGL□VQD + YLLPTCIP	2
	ALLTG□FVQD + YLLPTCIP	3
	ALLTGLFVQA + YLLPTCIP	4200
	ALLTGLFVAD + YLLPTCIP	3800
	ALLTGLFAQD + YLLPTCIP	100
	ALLTGLAVQD + YLLPTCIP	30

FIGURE 2

The Peptide Activates Transcription When Fused to the PHO4 DNA Binding Domain



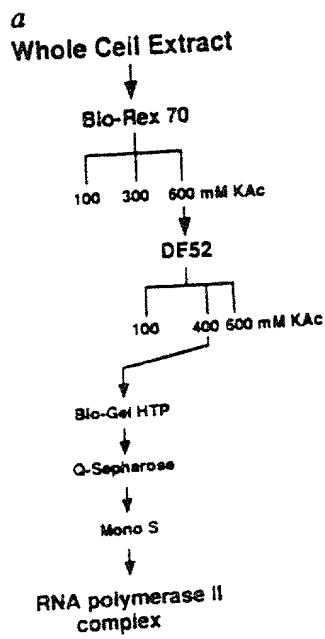
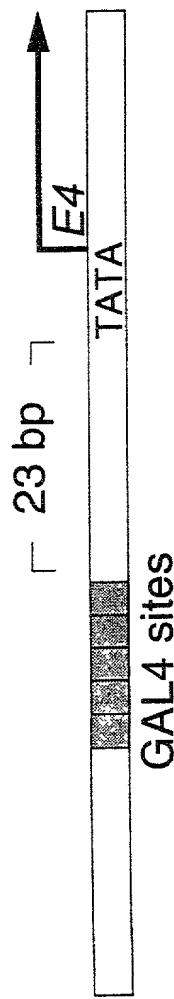
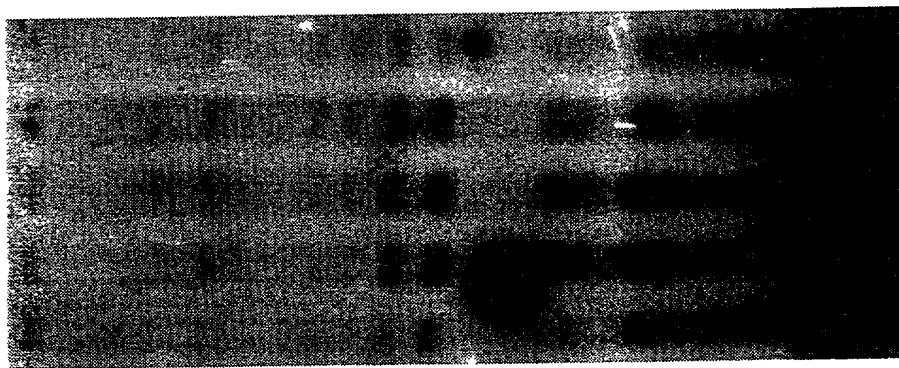


Figure 4

The Peptide Activates Transcription *In Vitro*



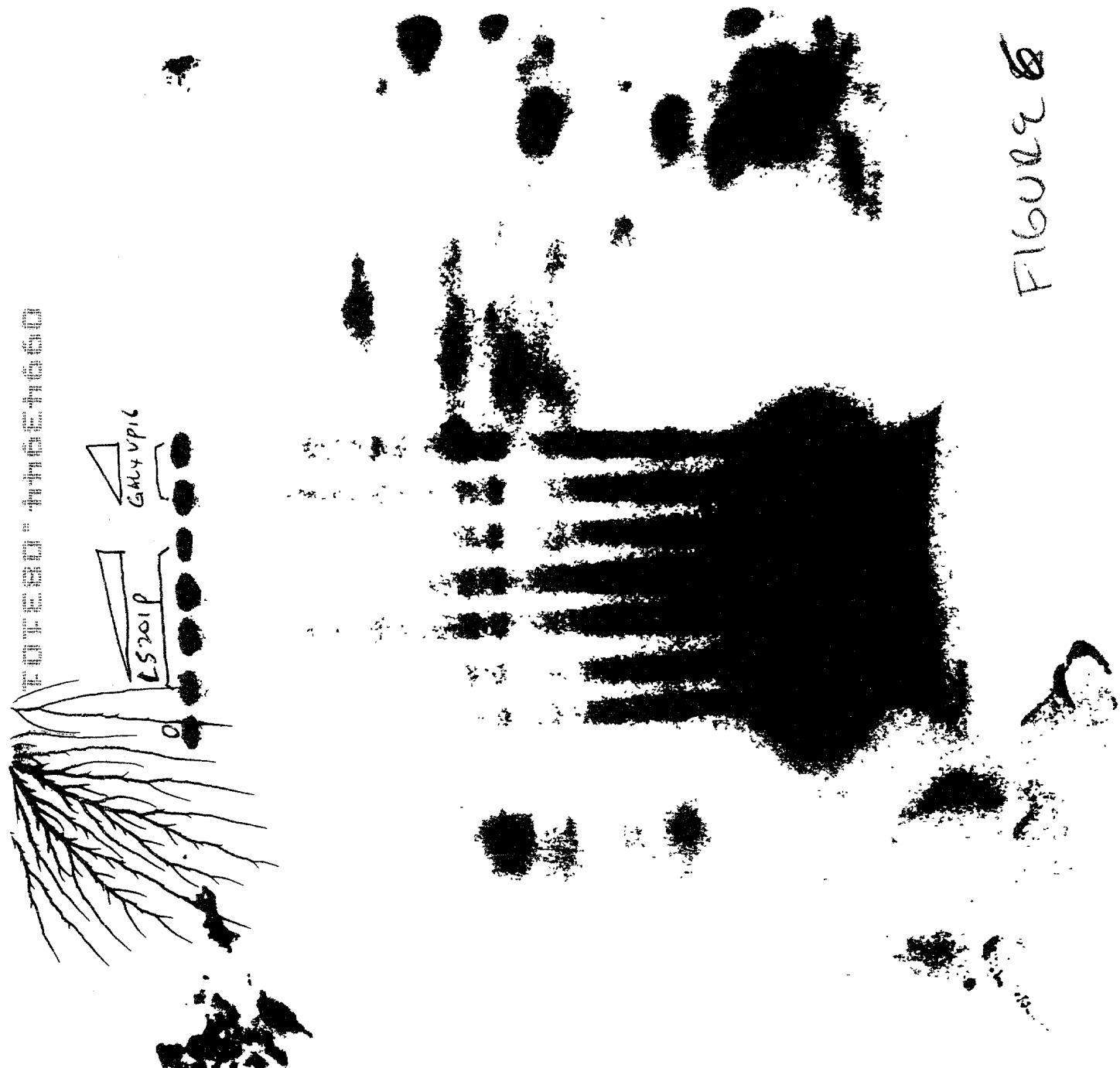
LS201p (ng): 0 1 5 30 100



1 2 3 4 5

FIGURE 5

FIGURE 6



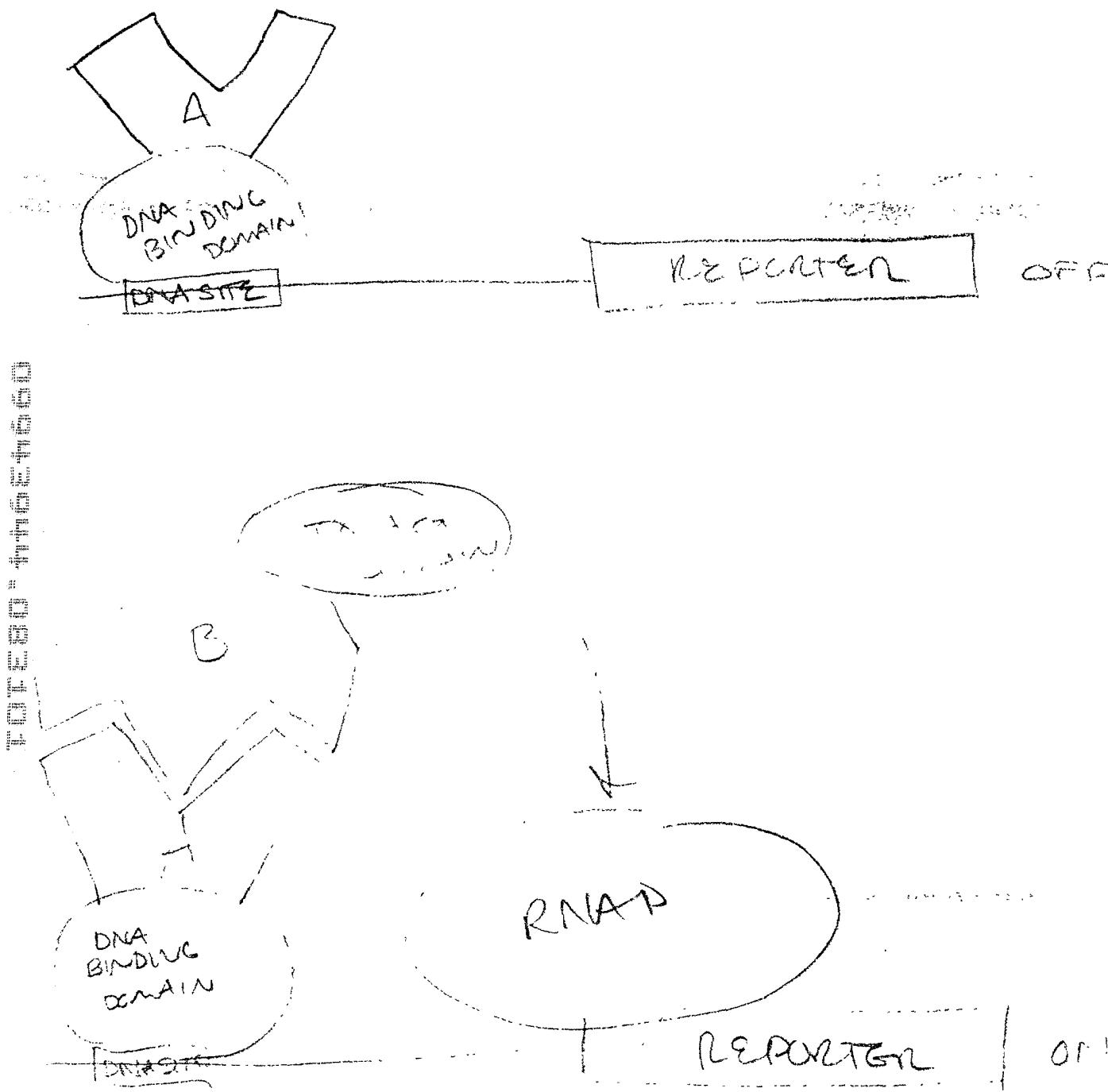
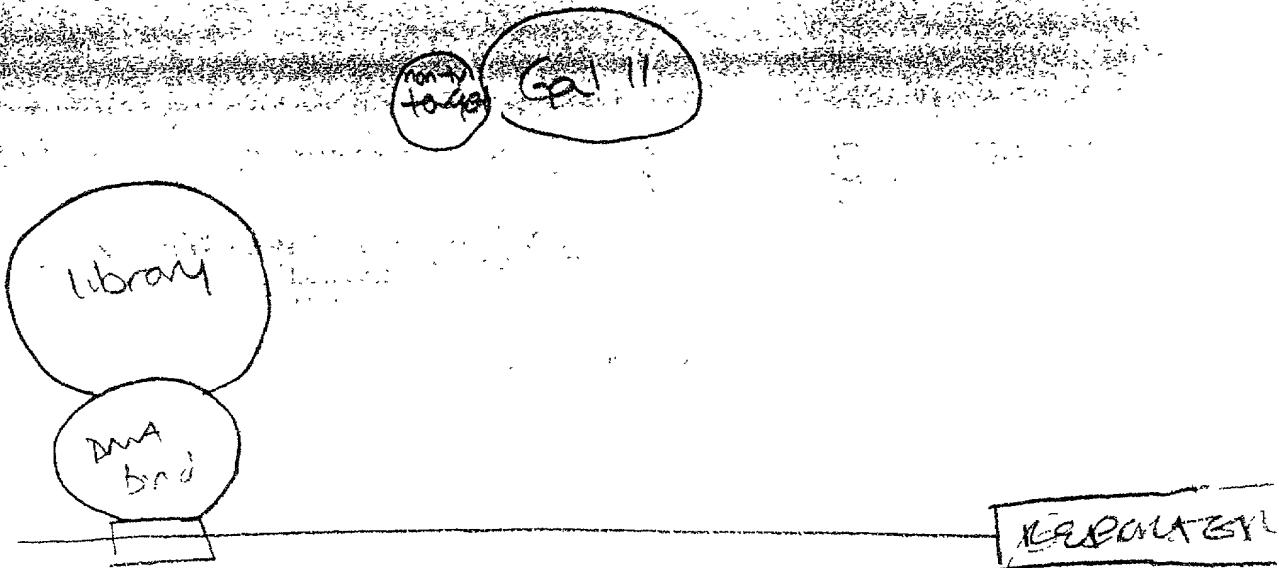


FIGURE 7

DI-HYBRID SCREENS
EMPLOYING
Gal-11

2A

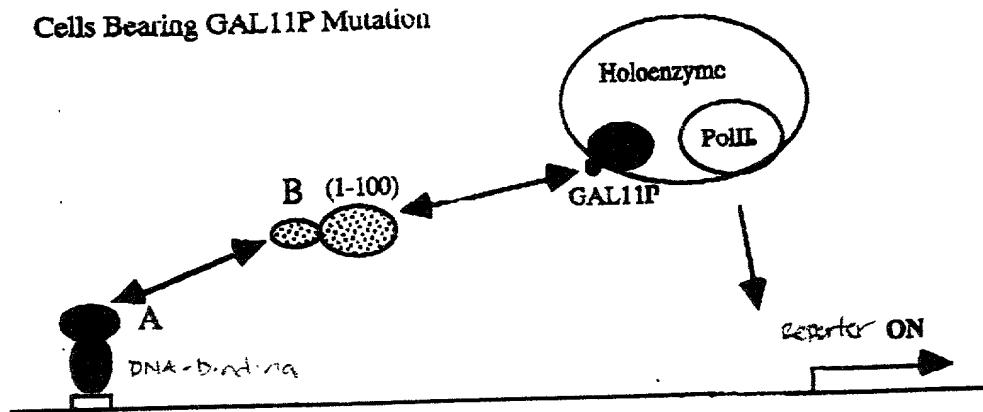


2B



FIGURE 8

Cells Bearing GAL11P Mutation



Cells Bearing Wildtype GAL11

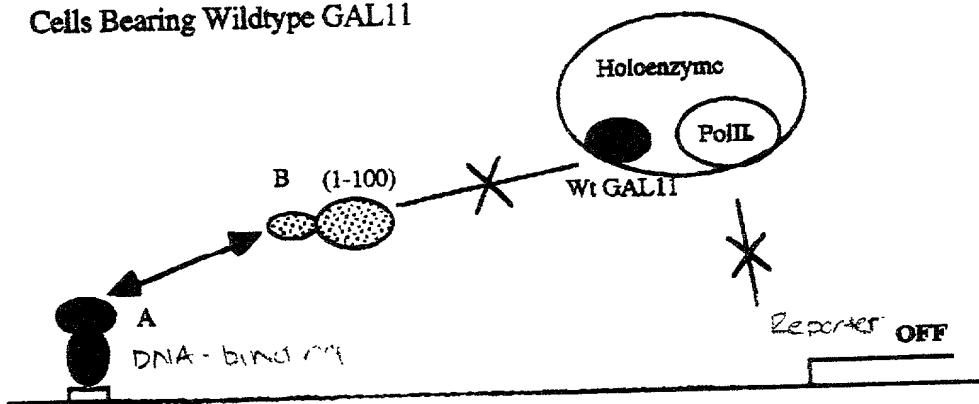


FIGURE 9